CATALOGUE

OF

Anatomical Models,

MADE BY

DR. AUZOUX, Professor of Anatomy and Physiology, Paris,

AND FOR SALE BY

GEORGE DEXTER,

No. 57 STATE-STREET, ALBANY, N. Y.

ALBANY:
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PREFACE.

The study of ANATOMY, which heretofore could only be successfully pursued by direct contact with the recent subject, and which consequently became an object of disgust to most persons, particularly the non-professional student, can, since the introduction of these admirable preparations of Dr. Auzoux, be made a most attractive and delightful pursuit. Divested as this subject can now be of all offensive associations, the anxious and ardent inquirer into the nature of physical man, may now be gratified without subjecting his sensibilities to the repulsive scenes of the dissecting room.

These Preparations, it is by no means pretended, are calculated entirely to supersede the use of the dead body; but from the stamp of usefulness which they have received from the highest authority in France, and the approbation bestowed upon them by the most distinguished anatomists in this country, we feel justified in saying that they may be made highly instrumental in the acquisition of anatomical science to the siudent, whose facilities for dissection are limited, or whose repugnance to the dissecting room is difficult to be overcome; to the medical practitioner who feels desirous of freshening his knowledge of this important branch of medical educution, and to all those out of the profession who wish to become acquainted with the mechanism of the human frame.

With the view of affording to the American public an opportunity of enjoying the advantages to be derived from an examination and study of these ingenious specimens of artificial anatomy, the subscriber has entered into arrangements with Dr. Auzoux, by which he will be enabled to furnish at the shortest possible notice, all, or any of the preparations manufactured by him. It is with pleasure I now announce to MEDICAL INSTITUTIONS, COLLEGES, ACADEMIES, AND SOCIETIES FOR THE PROMOTION OF SCIENCE, that I am prepared to receive orders and deliver the same in Albany at the prices marked in the catalogue.

Orders executed in from 60 to 90 days.

GEO. DEXTER,

57 *State-Street, Albany, N. Y.*

N. B. An advance of one-third will be required on all orders sent—balance to be paid on delivery.

CATALOGUE.

No. 1. LARGE MODEL OF A MAN, 6 feet high, ... $725 00

No. 2. SMALL do do 4 do 275 00

Each of these models is composed of 129 pieces, capable of being taken away separately—and of 1,115 numbers of detail, without including an infinity of details of angiology and neurology which have not received any particular names—too minute to be pointed out by authors, these details are reproduced in these models.

A number corresponding to a synoptical letter table serves to point out the name of the part, and the manner in which it is adjusted. A label placed on each part indicates its name and uses. In a few minutes a table may be covered with these 129 pieces representing 1,115 objects of detail, and in less than ten minutes may be restored again to their places.

No. 3. LARGE MODEL, 6 feet high, made expressly for the use of COLLEGES AND ACADEMIES,..... 260 00

No. 4. SMALL MODEL, 4 feet high, ditto,..... 140 00

No. 5. SMALL MODEL, 1½ feet high, do,..... 70 00

These models Nos. 3, 4, 5, like Nos. 1 and 2, exhibit all the viscera contained in the cavities of the abdomen, thorax and head. On one side of the body the skin is removed so as to show the superficial muscles—on the other side the superficial layer of muscles is removed so as to show the deep seated muscles with the vessels and nerves.

No. 6. COMPLETE MODEL OF A WOMAN, ... $300 00

With the view of facilitating the study of accouchments, Dr. Auzoux has made the above model of a woman in which he has reproduced by means of fourteen uteri, (which can be removed and changed) all the periods of gestation. In these uteri can be seen the product of conception; the membranes of the ovum, the modifications they undergo, as well as those which the apparatus of generation undergoes from conception to the moment of parturition. These details are highly interesting, difficult to be understood, and for the representation of which the science possessed only descriptions, plates, or natural products, always difficult to be procured in the human species.

In this model of a woman, Dr. Auzoux has reproduced in the thoracic and abdominal cavities, all the organs which are found in them in a living state—each of these organs can be taken out by itself.

To facilitate the explanation of the fœtal circulation, there is shown in the heart of this model, the FORAMEN OVALE open, the EUSTACHIAN VALVE and the DUCTUS ARTERIOSUS.

The pelvis can be detatched from the trunk, and with it all the muscles, nerves, and vessels immediately connected with it. A section divides this pelvis into two halves, so as to render more easy the study of the details represented in it. Price, including 14 uteri,..... 350 00

In connexion with this subject, the following preparations can be furnished separately:

No. 7. UTERI, showing the product of conception at all the periods of gestation, with examples of ovarian and tubal pregnancy, ... 115 00

No. 8. FEMALE PELVIS, with the surrounding parts, the internal and external genital organs, ... 75 00

No. 9. UTERI, with the fœtus and its membranes, at different periods of gestation, ... 75 00

No. 10. FEMALE PELVIS, and its dependencies, with three uteri, showing the membranes of the ovum with the products of conception at the 20th day—the first month and the third month of gestation,..... $35 00

No. 11. FŒTAL HEART, of very large dimensions,..... 12 00

No. 12. BRAIN AND SPINAL MARROW. For the study of this subject a brain is constructed, in which, by means of numerous sections and the super-position of different parts, are shown all the details of its structure as well as the origin of the nerves in the whole extent of the cerebro spinal axis, ... 35 00

No. 13. LYMPHATIC VESSELS. Large model, 6 feet high 725 00

No. 14. do do Small " 4 feet high 375 00

This preparation consists of a model of a man, representing one side of the body with the skin removed, and the other side a skeleton. In this as in model No. 1, the vertebral column is divided and the man may be separated into two halves. On the one side are seen all the superficial veins. On the skeleton side are found all the divisions of the arteries and veins, which can be followed from the heart to their last divisions. All these vessels, freed from the soft parts, present the vascular network, and all the anastomoses, the distance which separates the vessels, and the depth to which the instrument must penetrate to avoid or reach them; and the resources which nature has provided after the obliteration of the principal artery. Suppose a subject whose arteries, veins, and lymphatics have been injected, to be deprived by some chemical agent of all its parts except the bones and these vessels, and a just idea can be formed of this preparation, astonishing by the multiplicity of its details, as well as by its strength and durability.

No. 15. EYE, of very large dimensions. This preparation intended for the study of the eye and vision, is executed on a very large scale. Consisting of the globe of the eye, its

membranes, muscles, arteries, and nerves, the whole fixed to the upper wall of the orbit, and each principal part susceptible of being separately detached. Price,..... $15 00

No. 16. EAR—internal, middle, and external. For the study of the ear and of audition, Dr. Auzoux has made a preparation of dimensions corresponding to those of the eye. A temporal bone to which the external ear is applied. By opening the sections, are found the labyrinth—the nerves which are distributed to it—the middle ear—the eustachian tube—the bones of the ear—the membrane of the tympanum. Each of these parts may be removed and replaced so as to render the explanation of the mechanism of audition easy,.....

Largest size, temporal bone, two feet, ... 35 00

Second size, do one foot, ... 25 00

No. 17. LEG AND FOOT OF MODEL No. 1,..... 35 00

No. 18. do do do No. 2,..... 250 00

No. 19. SECTION OF THE HEAD showing one half of the base of the Cranium, of the Face and cavities of the Eye, Nose and Ear, of the Mouth and Tongue, of the Pharynx and of the Larynx, with the muscles, vessels and nerves,..... 60 00

COMPARATIVE ANATOMY.

No. 20. A series of preparations of large dimensions intended to show how the principal functions are performed in the animal series.

DIGESTION.

Lion,	stomach,		
Sheep,	do		
Horse,	do		
Squirrel,	do		$85 00
Gallinaceous animals,	do		
Locust,			
Bee,			

CIRCULATION.

Human fœtus,	Heart and vessels,		
Crocodile,	do	do	
Serpent,	do	do	
Tortoise,	do	do	
Carp,	do	and branchi,	85 00
Oyster,	do	and vessels,	
Cuttle fish,	do	and branchi,	
Muscle,	do	do	
Insects,	do	and trachea,	

INNERVATION.

Man,	Brain and Spinal Marrow,		
Cat,	do	do	
Rat,	do	do	
Goose,	do	do	
Viper,	do	do	
Tortoise,	do	do	
Carp,	do	do	85 00
Molusca,	do	do	
Spider,	Nervous System,		
Crab,	do		
Articulata,	do		
Radiata,	do		

RESPIRATION.

Larynx, Trachea and Lungs of the Snail, ... $10 00
do do do Frog,..... 10 00

No. 21. HORSE.

This preparation represents a HORSE 3 feet 3 inches high, in the attitude of repose. Half of the body is represented with the skin and shows the external form. On the other half are reproduced the muscles, nerves and vessels, which can be removed one by one from the skin to the bones as in an ordinary dissection—all the viscera of the Abdomen, Thorax and Brain are reproduced and may be separately removed for the purpose of study—sections have been made to exhibit their internal structure. By means of this preparation all the functions may be explained in a very satisfactory manner, ... 700 00

No. 22. For the study of the external form alone and of Physiology, a model has been made less complete, the price of which is 365 00
This model, like the preceding, represents on one side the skin, one the other the superficial muscles and vessels. These muscles are not removable as in the other model. The *cavities* can be opened and all the organs contained in them are arranged in the same manner as in the large model.

No. 23. BEETLE—(Melolontha Vulgaris.)

Anatomy of the Beetle, 12 times larger than nature—showing the smallest details of the muscles, vessels, nerves and viscera; and all the parts of the skeleton with their natural forms and colors. The parts into which it can be separated are indicated by 117 numbers. The details are indicated by 500 smaller numbers. 60 00

The following REPORTS respecting the utility of Dr. Auzoux's Preparations of Artificial Anatomy, are presented from some of the most distinguished men in France, to the various learned societies of that country. Enthusiastic as the French are known to be on all subjects relating to science, it must be acknowledged by all who have had an opportunity of examining these specimens, in this country, that the language of these reports is by no means overstrained or its encomiums undeserved.

To these *foreign* opinions, we have the pleasure to annex a letter from Dr. James H. Armsby, Professor of Anatomy in the Albany Medical College, for whom one of the large Models was imported by me. In a series of popular lectures delivered by him a few years since in the Anatomical Theatre of the College, this Model was frequently dissected, and all who attended his course were struck with the facility which this Preparation afforded for the illustration of the most difficult and complicated details of Anatomy.

ACADEMY OF SCIENCES.

SESSION, 10th April, 1835.

Extract from the Report by MESSRS. PORTAL *and* DUMERIL.

It is extremely desirable that the people generally should know something of their wonderful organization. Can it be supposed that an educated man of the present day would be content to remain ignorant of the manner and means of his various movements, and of the organs by which his sensations and principal functions are produced? All this can be learned, without encountering the loathsomeness of the dissecting room, from the admirable preparation introduced to the public by M. Auzoux. No one can now complain that he does not now enjoy abundant opportunity to become more intimately acquainted with the intricacies of his own extraordinary mechanism.

ROYAL INSTITUTE OF FRANCE.

Extract from the Report of MESSRS. BOYER, SERRES, *and* GEOFFROY SAINT-HILAIRE.

A general knowledge of the parts comprising the human system, will one day form an important branch of education among all classes of society. Sooner or later this will be insisted upon; but in no way can this study be adapted to the people at large, but through the resources of the splendid invention of M. Auzoux.

OPINION OF PROFESSOR LÆNNEC.

Addressed to the Minister of the Interior.

I have examined in detail the Artificial Anatomy of M. Auzoux, and I can attest to its excellence as well as utility. If its originator could place it at a price which would enable the various Anatomical Theatres to provide themselves with it, the following advantages would result:

1. The time ordinarily allotted to the study of Anatomy would be considerably abridged.

2. There would be a great diminution in the number of subjects necessary for dissection, for the student having previously become thoroughly

acquainted with the form and relations of the various organs by studying the preparation of M. Auzoux, could soon perfect himself on the Cadaver.

3. The student would have an opportunity of refreshing his recollection with regard to the various points in Anatomical science, which he may have forgotten.

4. The entire freedom of this Preparation from the loathsomeness of the dissecting room, would prove attractive to such pupils as are not over zealous in their labors.

(*Signed*) Ag. Lænnec, D. M.
Professor in the Medical Society of Paris,
and in the College of France.

CONCLUSIONS.

The following conclusions are derived from the Reports which have been made with regard to my Artificial Anatomy, to the Royal Academy of Medicine, to the Institute, and to the Medical Society of Emulation:

1. That this Preparation has the advantage of abridging the time usually devoted to the study of Anatomy.

2. That it furnishes to students and practitioners an opportunity of renewing their knowledge of this interesting study.

3. That it will render the study of Anatomy practicable to all classes of society.

4. It will furnish the means of prosecuting Anatomical researches in those countries in which the warmth of the climate, or the prejudices of the people, are adverse to human dissection.

5. It affords the opportunity of studying Anatomy during all seasons of the year and under every circumstance.

6. It exhibits, at the same time, and on the same subject, in the standing position, all the parts which enter into the composition of the human body, together with their natural color, relations, situations, figure, extent and attachments.

7. It contributes to the perfection of the fine arts, by rendering the study of Anatomy less disgusting and more easy.

8. It is capable of accomplishing the hopes long since expressed by learned men, who have devoted themselves to the education of youth,

that the *study of Anatomy should form a part of public instruction.* Such were the wishes of Decartes, Montesquieu, Bossuet, Demarsais, and of all those whose business it has been to preside over public instruction.

M. Auzoux.

The following is an extract from a Letter, written by* Dr. Harlan, *of Philadelphia—dated Paris, May* 10, 1839.

"Among the improvements in Anatomy, I ought to mention the gratification that I experienced in attending the lectures of Dr. Auzoux, who, for the benefit of the fastidious, has succeeded in divesting Anatomy of all its disgust and horror, and rendered it a pursuit even for ladies; a number of the most respectable of whom were constant attendants of his demonstrations, which are made entirely from artificial subjects, in which each portion is separate, marked with names or numbers, and in which there is one advantage it possesses over the real subject—that all the relative positions of muscles, tendon, nerve, blood-vessel, and bone are beautifully displayed."

Albany Medical College, *June* 21, 1841.

Dear Sir,

In reply to your letter of the 20th inst., asking my opinion relative to the Artificial Anatomy of Auzoux, I have the pleasure to state, that I have used his "Complete Model of a Man," during one Lecture Term, in the Albany Medical College, and believe that the Preparation and its distinguished author merit all the encomiums which have been bestowed upon them, both at home and abroad. Dr. Auzoux has delineated all of the most important parts of the human body, in their different forms, situations, and relations, with a degree of accuracy and fidelity that can be surpassed only by the handy work of Nature herself, and has left *nothing to be achieved* in this department of the science, more worthy of our admiration. His zeal, patience, and perseverance, during a period of more than twenty years devoted to this object; the brilliant results which have crowned his efforts; and the mighty impulse which his discoveries have given to the science, in his own and other countries, entitle him to be ranked among the greatest benefactors of his race. The introduction

* See Medical Examiner, No. 23, Vol. 2.

of these preparations, and the adaptation of Anatomical studies to the popular mind, constitute a new era in the history of science, the influence of which will be felt through after time. By means of these Preparations, Anatomy can now become the study of all, and the time is not far distant, I trust, when our colleges, literary and scientific institutions, academies and associations for mutual improvement, will be provided with these preparations, and Anatomy will become a popular branch of education.

Your efforts, dear sir, to introduce these Preparations into this country, will, I have no doubt, be crowned with complete success, and the profession generally, will feel a pride in contributing to promote so laudable an enterprise.

Very respectfully,

Your ob't servant,

J. H. ARMSBY.

To Mr. Geo. Dexter.

Skeletons.

Male and Female Articulated Human Skeletons of various prices, from 28 to 35 dollars.

Also, a great variety of Anatomical Preparations, including

Pelvis and Head,	$8 00
Heat cut with preparations of the Ear,	16 00
do do	12 00
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do do do	9 00
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Preparation of Nerves and Arteries,	12 00
Skulls,	5 00